



Aircraft Open Book Checkout Exam

Pilot Name: _____ A/C: N _____ Type/Model Acft: _____

Check Pilot: _____ Score: _____ Date: _____

Complete this open book questionnaire using the *Flight Manual/Pilot's Operating Handbook*. If a question or part of a question is not applicable, write in NA. The check pilot will review and grade the questionnaire. Minimum passing score is 80%. The completed questionnaire will be filed in the pilot's flight records.

1. Approved fuel grades and colors are: _____
2. Location / capacity of each fuel tank is: _____
3. Total usable fuel under all flight conditions is _____ gallons.
4. Endurance at 75% power, 7,400 feet MSL, with a 45 min. reserves _____ hours.
5. What make and grade oil is used? _____
6. Oil capacity is _____ quarts. Minimum oil quantity for takeoff is _____ quarts.
7. Minimum oil pressure is _____ psi. Maximum oil pressure is _____ psi.
8. Maximum oil temperature is _____ °F.
9. Magnetos are checked at _____ RPM. RPM drop should not exceed _____ RPM on either magneto or _____ RPM differential between magnetos.
10. Maximum RPM and MP for takeoff are _____ and _____ in/Hg.
11. Maximum gross takeoff weight is _____ lbs. Empty weight is _____ lbs.
12. Baggage compartment locations/weights are: _____
13. Give the IAS at maximum gross weight for:
 - a. V_a (maneuvering speed) _____
 - b. V_{so} (stall, landing config, power off) _____
 - c. V_{s1} (stall, cruise config, power off) _____
 - d. V_y (best rate of climb, sea level) _____
 - e. V_x (best angle of climb, sea level) _____

- f. V_{fe} (max speed with flaps extended) _____
- g. V_{no} (maximum speed for normal ops) _____
- h. V_{ne} (never exceed speed, redline) _____
- i. Best glide speed _____

14. Give the immediate action/memory items for:

Engine failure immediately after takeoff:

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Engine Failure During Flight (Restart Procedures)

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Fire during cranking and engine fails to start:

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Engine fire in flight:

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Electrical fire in flight:

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15. Normal takeoff flap setting is _____, short field takeoff setting is _____, and soft field takeoff flap setting is _____.

16. Maximum demonstrated takeoff/landing crosswind component is _____ knots.

17. Given: PA=4,000 feet; Temp=86°F; Runway 27; Wind 320° at 14 knots; runway is paved, level, and dry; aircraft is at maximum landing weight. Find the total takeoff distance to clear a 50-foot obstacle _____.

18. Given: PA=6,000 feet; Temp=86°F; wind calm; runway is paved, level, and dry; aircraft is at maximum landing weight. Find the total landing distance to clear a 50-foot obstacle _____.

19. Landing runway 22; wind 190° at 22 gusting to 30 knots. Will the maximum demonstrated crosswind component for this aircraft be exceeded? _____